

Notice of Allowability

Application No.

10/815,393

Applicant(s)

TANABE ET AL.

Examiner

Paul A. Budd

Art Unit

2815

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 21 April 2006.
2. ☒ The allowed claim(s) is/are 6, 8-9, 11-13, 15-16.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☒ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 09/988,962.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Response to Amendment

1. Receipt of amendments is acknowledged. Claims **3-5, 7, 10** and **14** are cancelled. Please note that in the amended claims, claim **14** still has claim language, but claim **14** is clearly marked as cancelled. The examiner has verified that all claims objected to in the previous office action (**6** and **11-13**) as objected to but allowable if re-written in independent form are correctly re-written and allowed.

Specification

2. The amended changes to the specification are accepted and no new matter has been added.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the amended claims change claim **12** as follows: on line 17 of claim **12** remove the period and replace it with a semicolon; for example,

Change "beams. each of said..." to -- beams; each of said... --

Also, please change the title of the invention from "Thin film transistor having high mobility and high on-current and method for manufacturing the same" to

- - Method for manufacturing a thin film transistor having high mobility and high on-current - -.

Allowable Subject Matter

4. Claims **6, 8-9,11-13, and 15-16** are all allowed. The following is an examiner's statement of reasons for allowance: Regarding claims **8** and **15** the prior art discloses most of the limitations of the claims, but fails to show at least forming a source region, a channel region and a drain region of thin film transistor in either of the two regions of said polycrystalline silicon island along a second direction perpendicular to said first direction; Regarding claim **6** the limitation "wherein said polycrystalline silicon island is located within either of the two regions of said polycrystalline silicon layer" is the limitation that was not found in the prior art *in combination with the other limitations in claim 6*; Regarding claim **11** the limitation "wherein said source region and said channel region and said drain region of said P- channel type thin film transistor said source region, said channel region and said drain region of said N- channel thin film transistor are arranged along a second direction perpendicular to said first direction" is the limitation that was not found in the prior art *in combination with the other limitations in claim 11*.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul A. Budd whose telephone number is 571-272-8796. The examiner can normally be reached on Monday to Friday 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth Parker can be reached on 571-272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

PAB


**JEROME JACKSON
PRIMARY EXAMINER**